

The
OMEGAN

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Number 3

OCTOBER

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CONTENTS

VOLUME IX

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BROADWAY HOST TO TENTH CONVOCATION.....	99
FRANK GILL CITED FOR BRAVERY.....	101
NOTED JURIST TEN YEARS ON BENCH.....	105
BIRD'S NEST SOUP AND PITH DERBIES.....	106
FRACAS IN SIAM	107
DR. RIGGLE APPOINTED TO AMERICAN HOSPITAL OF PARIS	109
THE SLIDE RULE LEARNS TO FLY.....	111
WHY GO TO COLLEGE.....	120
HENRY CHAPMAN SWEARINGEN.....	124
EDITORIAL	126
ALUMNI NOTES.....	128
PERSONAL MENTION.....	132
VITAL STATISTICS.....	137
NOTES AND COMMENT.....	138
DIRECTORY	140

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PARK CENTRAL HOTEL, NEW YORK
TENTH ARCH CONVOCAION HEADQUARTERS

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BROADWAY WILL BE HOST TO TENTH ARCH CONVOCATION

While at this writing it does not seem likely that Jimmy Walker will welcome the delegates to the Tenth Arch Convocation in New York City on December 28-30, the committee of the New York Club is sparing no effort to insure every conventionite a proper reception and pleasant visit. The headquarters will be at the Park Central Hotel, Seventh Avenue, 56th Street, concerning which more will be said later.

New York is the world's busiest city and the convocation will be in keeping with this spirit. There will be something going on every minute and those delegates who must write letters to their families and sweet-hearts had better write them on the train.

The convocation will convene at 10:00 A. M. on Wednesday, December 28, for a brief session. The tentative program then provides for a sightseeing excursion in the afternoon. This will be by bus down Broadway and over to the Chelsea piers where a stop will be made to inspect an ocean liner, then continuing through Greenwich Village to the financial district and Wall Street, turning north again past the pushcarts in the Ghetto of the lower east side and up Fifth Avenue and Riverside Drive for the magnificent view of the Hudson River and the Palisades on the Jersey side. The tour will then cross the new George Washington Bridge to New Jersey and come down the right bank of the Hudson to the famous German hostelry of Meyers Hotel in Hoboken. Here the delegates will have the opportunity of refreshing themselves from their long ride and dinner will be served in the setting described in the March OMEGAN. After dinner the group will repair to the Gamma Alpha chapter house a few blocks distant to a smoker given by that chapter. That will

wind up the first day and busses will return the crowd to the New York hotel via the Holland Vehicular Tunnel.

Thursday will be devoted mainly to two business sessions in the Colonial Room of the Park Central Hotel. These will be followed by the convocation banquet at a place not yet selected. Following this, the committee is planning to exhibit motion pictures at the hotel for those who do not care to go out and dip into the city's night life.

Friday the 30th may be spent visiting the Aquarium, the Empire State Building, attending the theatres or shopping as each visitor may see fit. The local committee will provide guides for small groups who want to visit specific points.



THE PARK CENTRAL POOL

Now a word about the Park Central (a book could be written but we know you will pardon us). It is thirty-three stories high and has sixteen hundred rooms, each featuring outside exposure, circulating ice water and tub-shower combinations. It is just far enough from the "Roaring Forties" to afford quiet for sleep and still within easy walking distance of the Great White Way for those who do not require sleep. It features a Roof Garden, Florentine Grill, three dining rooms, Coffee Shoppe and Gotham's finest swimming pool.

The convocation visitors will be accommodated in two and three-room suites. The former consists of a living room and a bedroom with twin beds. The latter consists of two bedrooms with a large living room

(Concluded on page 144)

FRANK GILL CITED FOR BRAVERY BY THE SECRETARY OF THE NAVY

In the May OMEGAN we printed a brief item about an unfortunate accident on April 10 when the plane piloted by Ensign Frank F. Gill, U S '28, dived into San Francisco Bay. Further details were lacking at that time. However, on August 5 Secretary of the Navy Charles F. Adams released a letter which received wide publication. It read:

FROM: Secretary of the Navy

TO: Ensign Frank F. Gill, U. S. N. R.
2559 Leconte Ave., Berkeley, Calif.

VIA: Commandant, Twelfth Naval District.

SUBJECT: Commendation.

1. A reading of the record of the proceedings of a Board of Investigation to inquire into the crash of U. S. Navy landplane 02C-1 Number 8761 in San Francisco Bay on 10 April 1932, the resultant death of Joseph E. Green, Seaman 1c F-1, U.S.N.R., convinces the Navy Department that you merit commendation for your action in rescuing the body of Green.

2. It appears that when you found that the plane was out of control, you ordered Green to jump and did the same yourself. Green's parachute did not open until he was a short distance from the water and he became entangled in the fastenings of the parachute, struggled and finally disappeared below the surface of the water and did not come up. Meanwhile, you had landed in the water and succeeded in extricating yourself from your parachute and then went to Green's rescue, assisted by a Mr. Moore who rowed from shore in a boat. Arriving at the spot where you thought Green had disappeared, you dived for him and fortunately located him in the first attempt, threw him over the side of the boat and held him there while being rowed to shore.

3. The Department considers that your action as above related is in accordance with the best naval tradition and reflects credit on the naval service as well as on yourself. You are hereby highly commended for your unselfish effort in this instance.



ENSIGN FRANK R. GILL

4. A copy of this letter will be placed on your official record.

(Signed) C. F. ADAMS.

Ensign Gill was, some years ago, an outstanding football player for the University of California. He was the first of the famous Gill brothers, all of them great football men. He was followed in succession by Harry, Ralston, Samuel, and Carol. Upon graduation Frank, better known as "Red," went to San Diego for training as a Naval Reserve aviator. Now he is one of the most skillful and colorful pilots in California. On the occasion of the recent naval air maneuvers over Oakland he put on an excellent exhibition of stunt flying and offensive attack in the air.

On the day of the accident Gill was flying a naval ship over San Francisco Bay. When at an altitude of about one thousand feet he took his plane into a vertical power dive. Attempting to take his ship out of the dive at an altitude of only four hundred feet he found that his machine would not respond to the controls. Both Gill and his passenger, Joseph E. Green, "bailed out" and were successful in getting clear of the ship. Since they had very little altitude, their parachutes had scarcely time to open before their bodies struck the water with terrific impact.

In the water Gill found himself on one side of the wrecked machine with Green on the other. After a brief struggle to clear himself of his parachute, "Red" swam to where he had last seen his companion. Oil from the machine had settled over the water by this time and the fumes almost overcame him. In spite of this, Gill dived repeatedly in an attempt to save the life of Green, but he was too late. Green did not know how to swim and this coupled with the fact that he had been severely stunned by the fall, probably accounted for the rapidity with which he disappeared.

Unhurt except for raw pieces of skin where his parachute had chafed him and for bruises received when he hit the water, "Red" hurried home. There he found that his parents and brothers had heard of the accident over the radio and were anxiously awaiting news of him. It is needless to say that they were truly thankful for his narrow escape.

Frank Gill, not content with being fortunate enough to escape with his own life, had subjected himself to further risk in an attempt to save his passenger. In this he showed the same kind of courage and determination which made him so successful on the gridiron. He has the admiration of the entire fraternity and his fellow members of Gamma Beta chapter have roundly congratulated him on his new membership in the exclusive Caterpillar Club.



HON. ANDREW ERWIN CUMMINS

NOTED JURIST CELEBRATES TENTH YEAR ON BENCH

We join in congratulating Hon. Andrew Erwin Cummins, A A '01, who last spring had the satisfaction of completing ten years of meritorious service as Common Pleas Judge of the Twenty-seventh Judicial District of Pennsylvania, consisting of the County of Washington of which he is a native. Favored with a brilliant mind and an abundance of physical stamina, he has carried on his public service with the same vigor with which he played left halfback on the Westminster College eleven a generation ago.

Judge Cummins was one of that band of outstanding Pi Rho Phi's, nine in number, of the class of 1901, all of whom have affiliated with Theta Upsilon Omega, among them being Congressman Thomas C. Cochran as well as the present Arch Master. The group was written up in the October, 1931, OMEGAN.

Born January 22, 1880, in Chartiers Township, young Cummins worked on a farm till twenty-one years of age. His education was begun in a country school and continued at Hickory Academy from which he graduated in 1897 and then entered Westminster College.

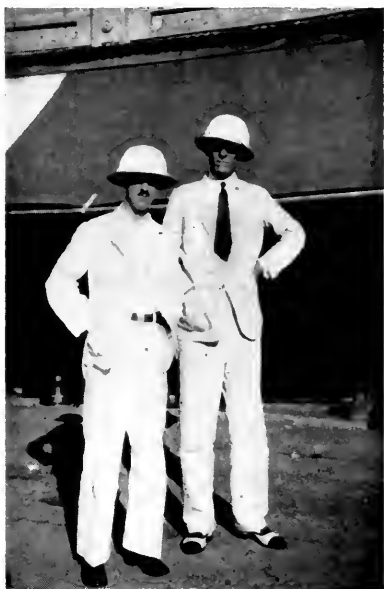
At Westminster Judge Cummins' tall stature, broad shoulders and exceptionally rugged physique gave him a decided advantage over his adversaries on the football field. In addition to this, he was the champion mile runner of the Tri-State Conference. It is said that he had the habit of running the entire mile at top speed without sprinting.

After graduation from Westminster he entered the Law School of Western University of Pennsylvania, now the University of Pittsburgh, where he also played football. He graduated there with the degree of Bachelor of Laws in 1905. In the same year he passed the State Board Law examinations for admission to the Supreme Court of Pennsylvania as well as the examinations for admission to the bars of Allegheny and Washington Counties.

In 1919 Judge Cummins was elected District Attorney of Washington County, Pennsylvania. In this office he showed his characteristic courage and initiative and made a highly satisfactory record as a fearless and able public prosecutor. It was not remarkable, therefore, that he was appointed to fill a vacancy on the Common Pleas bench of his native county on February 7, 1922, and the following year he was elected for a full term of ten years. Since his elevation, he has been characterized by a most diligent application to the duties of his office and has proven himself worthy of the judicial robe.

BIRD'S NEST SOUP AND PITH DERBIES

Government service in the tropics and the Orient is, thanks to the motion picture industry, pretty well known to most Americans. It usually involves a lot of paddling up jungle streams, drinking and love making with native women, shifty-eyed and slinking natives always hovering in the background, and, of course, a little work now and then in making out reports for the home office.



J. D. WALSTROM (LEFT) WITH
EARL KUDELL, AMERICAN
NEWSPAPER MAN

How true this picture is we have been trying to find out for two years from Joe D. Walstrom, H A '28, who is stationed at Bangkok, Siam, as Assistant U. S. Trade Commissioner. We suspect, however, that he regards Siam as only one assignment in a career of foreign service which began four years ago in Guatemala City, C. A. That does not, however, prevent him from enjoying those few creature comforts which the land provides.

Joe has a Chinese boy at his hotel who shines his shoes, takes care of his laundry, waits on his table, and cleans his room, all for about 15c a day. Laundry is quite an item, since a clean white suit must be worn each day and sometimes two a day. However, it can all be done up for four cents an item whether it be sock, handkerchief, shirt or coat. Mosquito boots of canvas for night wear and such epicurean delights as bird's nest soup and 1,000-year-old eggs complete the picture of Joe's life in Bangkok which we have pieced together from odd bits of correspondence.

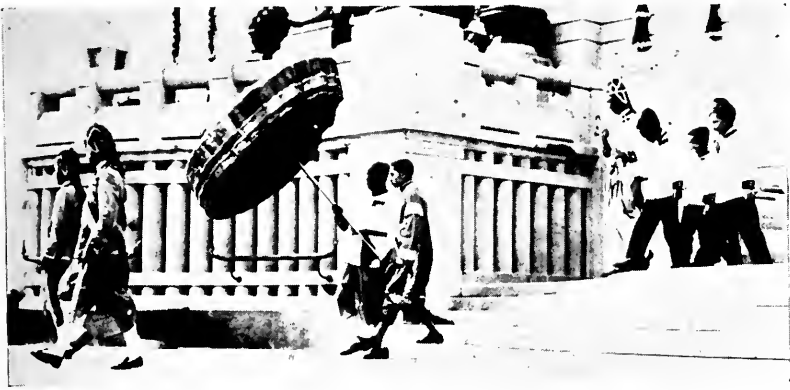
At the George Washington University Joe was an active newspaper man. At one time he edited *The Ghost*, college comic. Accordingly, when we read of the dramatic revolution in Siam on June 24, 1932, we immediately cabled Joe for a story. We knew that it was his forte since it was both news and comedy. The tale following was the result:

FRACAS IN SIAM

J. D. WALSTROM, H A '28

Assistant U. S. Trade Commissioner, Bangkok, Siam

On April first, Siam's ruling dynasty had been in power for 150 years, an anniversary which was duly celebrated by the opening of a new memorial bridge. This celebration included all the Oriental pomp and splendor which Siam was capable of producing, but in addition to the spirit of merry-making which prevailed there was an atmosphere of tension. An old Siamese superstition prophesied that when the Chakri



KING PRAJADHIPOK AT BRIDGE OPENING CEREMONY

dynasty had been in power for 150 years "something would happen," and there had accordingly been rumors for several weeks previous that a revolt was due. However, things passed off smoothly, and people dismissed the scares of a revolution and settled down to the old peaceful routine. About the first of June T. M. The King and Queen and the royal retinue (which includes a Bearer of the Royal Spittoon) left Bangkok for their summer vacation down the Gulf of Siam.

At five A. M. on June 24, H.R.H. The Prince of Paribatra was awakened at his Bangkok palace by a military escort and taken to the Throne Hall in his pajamas. He soon had the company of the other royal princes, likewise escorted to the Throne Hall under military persuasion. The rest of Bangkok went to work at eight-thirty in the morning as usual, and it was several hours later before it was definitely known that the government had been overthrown, and that the army and navy had pulled a fast one and were holding the royal family in the Throne Hall as hostages.

Bangkok remained as peaceful as ever, and to all outward appearances nothing unusual had occurred. There were no demonstrations, no shooting, no looting, or any other forms of exuberance which usually accompany a revolution. In fact, the military dictators issued a polite blanket apology to all persons who might have experienced any inconvenience whatever. The clockwork precision and calm efficiency of the whole movement were amazing.

The entire *coup d'etat* appears to have been secretly planned by the People's Party, a heretofore unknown organization, in cooperation with the military forces. Now that they were in full control of the govern-



THE THRONE HALL, BANGKOK

ment, what about the King? A battle cruiser was sent to "invite" him to return, although it was a virtual ultimatum. His Majesty pointed out that the accommodations on said battle cruiser were none too comfortable, and that he would prefer to return to Bangkok by train, which he did.

While not exactly germane to our story, it is interesting to recall the statement in the Court Circular, a sort of royal record describing the ordinary daily activities of the King. On that particular day, in spite of the tempestuous times, the Court Circular set a new world's record for laconic understatement by merely noting: "June 26: The King returned to Bangkok."

King Prajadhipok, who apparently thought the revolution was not such a bad idea after all, readily agreed to the new constitution and promulgated it forthwith. Its principal feature centers around the establishment of a more representative form of government. When he was in America last year, the King told the newspapers that he was in favor of

(Concluded on page 125)

DR. RIGGLE APPOINTED TO AMERICAN HOSPITAL OF PARIS STAFF

Since comparatively few premedical students join national social fraternities, it will probably surprise some members to know that Theta Upsilon Omega has several very promising young M. D.'s on its roll. Among these is Dr. Paul P. Riggle, A A '25, whom many will remember for his activities at the constitutional convocation of the fraternity eight years ago. He recently received the honor of an appointment to the staff of the American Hospital of Paris for a year of study.

The American Hospital of Paris is dear to the hearts of thousands of American citizens who have found themselves in need of medical treatment in France. Most people will enjoy exotic skylarking, but when things go wrong, they want the comforts of home; and French hospitals are not what the yeast advertisements lead you to think. The American Hospital is incorporated in the United States and managed by an advisory board in this country. This board annually selects a few candidates for a year's study in Paris.



DR. PAUL P. RIGGLE

Dr. Riggle sailed on the *S. S. Paris* on June 10 with the expectation of reporting to his post in the beautiful suburb of Neuilly-sur-Seine before the first of July. His first three or four months there will be devoted exclusively to work in residence at the American Hospital. This will give him the opportunity of getting accustomed to his new surroundings and also of planning the postgraduate courses which he will later take up. After this first orientation period, only one-third to one-half of his time will be devoted to work at the American Hospital. The remainder will be postgraduate work in the various clinics in and about Paris. The staff of the hospital provides the entrée to these clinics through the Faculty of Medicine of Paris. At the end of the year he will receive a certificate from the American Hospital of Paris, and will probably in addition receive a certificate of service from the Faculty of Medicine of Paris.

Brother Riggle's home is in Washington, Pennsylvania. As an undergraduate at Westminster College, he managed the basketball team, was business manager of the *Holcad*, weekly newspaper, and advertising manager of the *Argo*, college annual.



VIEW OF GARDEN,
AMERICAN HOSPITAL IN PARIS

He was equally active in fraternity affairs. He was chairman of the committee which arranged the purchase of the house which Lambda Alpha chapter still occupies. In February, 1924, he was sent to Lewisburg, Pennsylvania, bearing the petition of Pi Rho Phi fraternity to the First Convocation of Theta Upsilon Omega. This petition resulted in the admission of the Westminster group on the status of charter membership.

After graduation in 1925, Brother Riggle taught chemistry, physics, and coached basketball for a year at the high school of Mercer, Pennsylvania. Then he entered Jefferson Medical College in Philadelphia and was awarded his M.D. in 1930.

After a year's internship at Washington Hospital, Washington, Pennsylvania, he returned to Jefferson Medical College as the Strittmatter Teaching Research Fellow in Anatomy. He is the author of a paper entitled "Ethmosphenoidal Cells with Agensis of the Sphenoidal Sinus," which will shortly be published in the Archives of Otolaryngology.

THE SLIDE RULE LEARNS TO FLY

PROFESSOR K. G. MERRIAM, B A '22

Five years ago last May, Lindbergh's flight was like a signal at which unsuspected stores of energy were released. Money was plentiful, and "new levels in the stock market" seemed possible. Few dared to predict the limits of achievement in aviation, nor the number of jobs which the new industry would make available. Flying schools and airplane factories appeared in astonishing numbers. Although conservatism was not the vogue, those with conservative instincts wondered, betimes, what conditions would be like, say, five years hence. Now, to its comparative sorrow, the whole world knows.

Not easily shaken, even the technical schools felt the aviation tremor. The birth of a new technical industry created a demand for men with special training in designing and producing aircraft, and all the equipment thereto relating. How many men, and what sort of training, were questions difficult to answer.

There was no question about the number of young men who felt they wished to enter the new game. Filled with enthusiasm, greatly lacking in information and judgment, to them an aeronautical engineer was, perhaps, one who, wearing a natty uniform and enduring the cheers and envy of those less fortunate, sat at the throttle of a huge transport plane as it thundered across the sky—maybe across the continent—or even around the world. Short hours; easy money. If they did not gain this idea, it was no fault of the advertising of the day. How should they know the harsher ingredients of aviation like grease, hard work, uncertain employment, high cost of training, danger, and how should they know that an aeronautical engineer was one who, after long and tedious training, dealt with engineering materials, thermodynamics, blue prints, stress analyses, slide rules?

With mingled feelings, the writer looks back over the hours spent in arranging training for twenty-four young men leading to the B. S. degree in aeronautics, and in supervising short courses in aeronautics for more than a hundred other young men. Although many mistakes were made, it does seem that the general policies were, and are, correct. Anyhow, the story follows, for "now it can be told."

In the early spring of 1928, the demand for a course in aeronautical engineering at Worcester Tech became so great that Admiral Ralph Earle, its president, requested the mechanical engineering department to devise a curriculum. To this task was delegated the writer, with the

strict admonition of Prof. F. W. Roys, department head, "to develop something which is, and will remain, sound."

The first step was obvious: to correspond with men of experience in the field. We did not need to go beyond our own alumni registry to find men responsibly engaged in aeronautics: Mr. Arthur Nutt, '16, was chief engineer of the motor division of Curtiss; Mr. H. J. E. Reid, '19, was engineer-in-charge of the National Advisory Committee for Aeronautics (N. A. C. A.) at Langley Field, Va.; Major E. E. Aldrin, '16, was very responsibly connected with the Air Corps engineering center at Wright Field, Dayton, Ohio; Mr. Robert E. Johnson, '27, a member of Beta Alpha, was chief of the aerodynamics section of Curtiss; in fact, thanks to the generosity of these and other men, advice proved easy to obtain, and, unlike much advice of such nature, has since demonstrated its high value.

The second step was to assemble all data and opinions, and make a thorough study of pertinent local conditions at the Institute, especially those portions of the hour plan, staff, and equipment which might be affected by aeronautics work. Under April 15, 1928, the writer's journal carries the following entry: "At office all day until 7:30 P. M. working on aero curriculum." It is recalled that an electric heater and a reliable corn cob pipe provided inspiration. For four years, that curriculum has been operated without great alteration, which is tangible evidence that the advice received from our friends was sound and far-sighted.

Finally, the work in aeronautics was organized as a component of the department of mechanical engineering, and the new unit was called the Aeronautics Division. To make the logic of this organization evident, it should be explained that aeronautical engineering is compounded of mechanical, structural, and aerodynamic engineering; also, that at Tech the work in engineering mechanics is handled by the M. E. department, so that, except for aerodynamics, nothing very new was being added to departmental work.

The course was made available only to seniors in mechanical engineering who had clear and satisfactory records, and the general policy was to keep the new unit small and the standards high. To indicate how well this policy has been maintained, the class last year comprised four students, whose average record when admitted was 83%, a very high average at Tech.

With a background of a thesis on aircraft arresting gears back in school, plus some military work partly in anti-aircraft artillery, plus six years of teaching, mostly in the fields of engineering mechanics and experimentation, the writer did not feel well equipped to tackle the work

in aerodynamics. Vaguely, he spent the summer of 1928 taking a course in theoretical aerodynamics and a course in advanced calculus to understand the aerodynamics. Since then, there have been several other courses in mathematics in the effort to understand that course in advanced calculus—and the end is not yet. Feeling somewhat impractical, loaded up with all this new theory, he journeyed to the Boston airport, requested the use of a plane and pilot for an hour—for the usual stipend—with the understanding that the pilot was to do the take-off and landing, and stand by the rest of the time. More surprised than pleased, the pilot finally consented to this arrangement, and the writer spent the next hour



PROF. MERRIAM WITH CLASS AT WORK IN DESIGN ROOM

enjoying thrills exceeded only by those experienced by the pilot as he recovered the ship from involuntary aerobatics.

In the following September, at the local airport, two weeks before the regular opening of the Institute, we operated the first course for the first class—perhaps one of the most informal courses ever given. The students were at the airport eight hours a day for two weeks, servicing and overhauling OX-5 motors, studying the planes, and getting a dual instruction hop now and then. Flying instructor was Capt. "Kitty" Barrows, whose ability as a dead-stick artist and rapid-fire teacher of the tricks of flight was amply demonstrated. We will not soon forget the descent from above the clouds with the motor cut dead—purposely, nor the flight in the cabin Fairchild with no one at the stick—for a short

time, purposely,—nor the rigor of the program which required the student to fly on a triangular course for his second hop and to make a landing on his third trip aloft.

During the months that followed that first year, the students gave up three courses, including thesis, from their regular M. E. course, and substituted a course in aerodynamics based on Monteith's book, a fairly complete stress analysis of a Waco biplane, a series of lectures on aircraft instruments, a course in aircraft engines, and a short library research project called seminar. Except for the courses in instruments and engines, all work was supervised by the writer. It would have been pretty sad if the students had been less able and enthusiastic, but by working together, admitting our ignorance, we muddled through surprisingly well. Three of that first class have been in the aeronautics industry since graduation.

With the curriculum actually, if precariously, in operation, the next obvious step was to remedy defects and to strengthen the curriculum, equipment, and staff. During the summer of 1929, the writer visited the majority of the civil, educational, and military aeronautic centers in the East. Observations thus obtained indicated that we should inject more experimental work into our new little unit, this work to be, if possible, of a research nature. Since then, the project in stress analysis has been shortened to allow time for full-time thesis work on an aeronautic subject. This thesis research work is now, without doubt, the most valuable part of our instruction program.

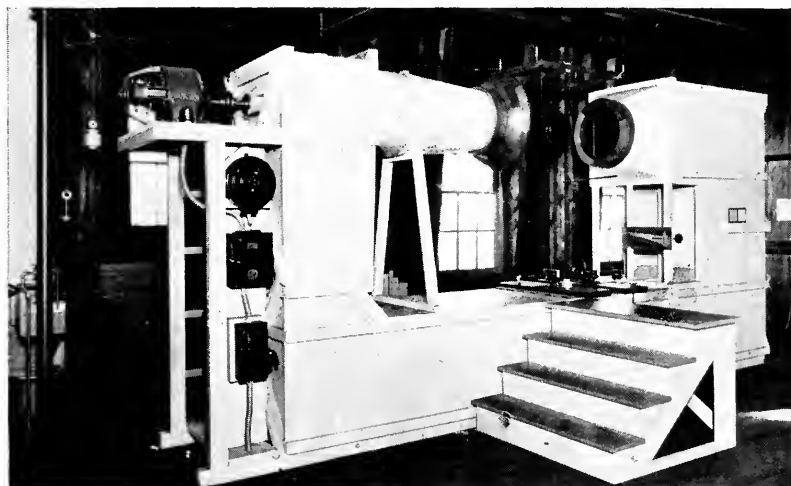
As to equipment, the first unit had arrived in May, 1928,—an MO-1 observation monoplane, obtained from the Navy. With the spontaneous aid of interested bystanders, this comparative giant was hoisted through a small trap door to the third floor of the Washburn Shops building, which has since become our headquarters. The clearance on the 52 ft. wings was so small, when the assembly was complete, that we became fond of explaining to visitors that if the wings had had another coat of dope we should never have succeeded in getting the plane in at all.

During that summer of 1928, the gas engines instructor had been sent to Wright Field to study aircraft motor testing, and during the first year he had mounted for test a 400 H.P. Liberty engine obtained from the Navy. Equipped with a huge exhaust line with exhauster blower, fitted with an Eclipse electric inertia starter donated by the manufacturers, and dissipating its power by means of a club propeller dynamometer, this motor had roared out a test for the first class.

During the first year, the third floor of the Washburn Shops, used for years as a pattern storage room, had been cleared of its contents.

The large, well lighted south room, separated from the big room by wood and glass partitions and double doors, had been finished with Celotex, painted, and heated. Campus 'phone, blackboards, five large oak tables, filing cabinets, desks, lights, and bookcases had been installed.

More than anything else, we now needed equipment for aerodynamic testing, and the third unit, beset with many puzzling problems, was a wind tunnel. It is commonly known that wind tunnels, in the large sizes then prevailing, are expensive and require large housing space. We did not feel justified in spending much money, although some funds for construction had been given by Mr. Charles L. Allen, Institute



AN AIRPLANE TIRE MODEL BEING TESTED IN THE W. P. I. WIND TUNNEL. THE BALANCE SYSTEM IS SENSITIVE TO 1/1000 LB., AND TOP SPEED IS 90 MI. PER HR.

trustee, and the only available housing space was the big room which stored the airplane and which we now call the aerodynamics laboratory. Without the suggestions and technical data furnished by Mr. Reid and Dr. Lewis of the N. A. C. A., and electrical equipment given by the General Electric Company, we might be licked by that problem today. The final outcome was, however, a decision to build a tunnel like the N. A. C. A. six-inch open throat design, but with linear dimensions doubled, power more than quadrupled. Two members of the first class were able to begin construction of this unit, which was completed by Mr. Raymond DeVoe, instructor in pattern making, so that the second class could use it in thesis work.

In passing, it may be explained that the Washburn Shops has been a very convenient location for our headquarters, because directly below

our laboratory is the Institute pattern making shops in which much of our equipment and models have been made. Without leaving the building we have available also all kinds of machine tools, forging, and welding facilities.

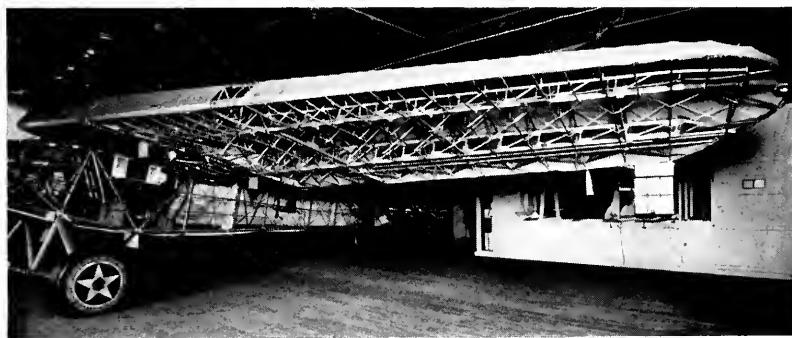
To return to the wind tunnel, now one of our most valuable pieces of equipment, it should be mentioned that such a device provides a jet of controllable and uniform high velocity air, with apparatus for measuring forces and pressures exerted on objects held in the jet. Top air speed of our tunnel is now 90 mi. per hr., and at this speed it produces a very imposing roar, making vocal efforts futile. All models and secondary mechanisms have been home made, devised and installed usually by students as a part of their thesis projects. The number of types of aerodynamic tests which can be made are almost unlimited: we can rate Pitot tubes (used for measuring air velocities), test the drag (air resistance) of almost any kind of object, find the complete characteristics of airfoils and propellers, record the path taken by air in flowing past objects, measure the pressure distribution around objects held in a moving jet of air—well, the list is very long, and the writer hesitates to inflict too severely on the reader his highest interest.

After the tunnel had been installed in the big room, this room was painted, new floor laid, and lights wired. One smaller room on the east side was finished up for a model storage room, and the big tower room on the east was cleared out so we could use it for storage. Plumbing and lights were installed in our alcove. Some engine equipment, such as the Curtiss D-12 and Wright Hisso motors were stored in the large room, but all the actual engine test set-ups were installed in the regular gas engine laboratory where fire risk was reduced and firm mountings were possible.

Finished just a few months ago was an OX-5 engine set-up. The motor was furnished by the Curtiss-Wright Co., reconditioned, and coupled to the free end of a Sprague electric dynamometer which is regularly used to absorb power from a Marmon engine. Comparing this new unit with the Liberty outfit, it is much less expensive to operate and the electric dynamometer provides a much more flexible power control than does the club propeller. It promises to be for engines instruction what the wind tunnel is for aerodynamics.

Also recently completed is a primary training glider, which has had a hectic career although it has never been flown. Back in the enthusiastic period of 1929-30, a group of young men were very anxious to form a flying club, purchase a plane, engage a pilot, and do plenty of flying. Knowing the circumstances somewhat, the writer undertook to discourage

the venture and recommended the construction of a glider as something likely to prove less costly, and perhaps offering greater reward in the long run. The recommendation was finally accepted and construction was begun in our shops; when about half complete, funds were exhausted and except for an exhibition at the New England Fair, the glider languished without much attention for a year. It being most disconcerting to start something and not finish it, we finally decided to discontinue our Fall airport course and divert the funds thus saved to the completion of the glider. The September course now comprises experimental work, mostly on the wind tunnel, and inspection trips to aeronautical centers in Hartford and Boston. Last September the class also completed the glider. It now appears that licensing is going to be difficult because of a



THE MO-1 AIRPLANE AND WIND TUNNEL IN THE BIG ROOM

legal technicality. Truly our path has not been easy, but we can console ourselves by reflecting that we have not injured anybody by getting into the operation game too early, the expense has been moderate, and the project has been completed, not without gains in experience for all concerned. Let's hope that future classes in future Septembers may add glider operation, legal and safe, to their list of activities.

With the strengthening of equipment came a similar improvement in staff and curriculum. In the second year, Dr. G. H. MacCullough, member of Beta Alpha, and under whom the writer had worked for several years as a member of the Engineering Mechanics Division, consented to offer a course in Theoretical Aerodynamics, a subject in which he had engaged during the previous summer at the University of Michigan. To make room for this study of the perfect fluid by means of partial differential equations, functions of a complex variable, and other mathematical tools, the work in stress analysis was reduced. Interest increased; last year two members of the staff in Hydraulics registered for

and completed the course, and it is not unlikely that this may be the beginning of a "merger" of the information available at Worcester Tech in connection with practical and theoretical fluid dynamics which may lead to very worth-while results.

After two years, it seemed expedient to develop an instructor to major as aeronautic assistant. For the past two years, a graduate of the second class functioned in that capacity, and next year Mr. E. R. Spaulding, member of Beta Alpha, and honor graduate of the most recent class, will fill this post. Dr. A. W. Ewell, member of the Physics Department staff, who gained Air Corps experience during the war, has continued to give the course in aircraft instruments. Mr. A. J. Staples, instructor in internal combustion engines, takes care of all work in aircraft engines. For the past two years, then, five men have devoted a part of their time to the aeronautics subjects—which are closely related to those in which they major on the regular Institute staff,—and have found their outlooks and training somewhat broadened as a result of the experience.

With the gradual development of our outfit came some commercial opportunities. During the Fall of 1929 and Spring of 1930, the Curtiss Flying Service was active at the local airport. The ground school evening classes were operated at Tech, more than a hundred young men attending the series of lectures prescribed by Curtiss at that time, and given by three of our instructors. In connection with this work, Curtiss sent to us on loan a small flight-instruction tunnel, which has caused a good deal of interest, although of small value for engineering instruction. During the season of 1930 and 1931 we operated our own evening school, the local airport having been closed and Curtiss having discontinued Worcester activities.

Commercial activities in the laboratory have been devoted to rating of air measurement equipment and drag measurements of airplane tires and other objects. Of some promise are studies of streamlined airplane tires, sponsored by the B. F. Goodrich Co., begun in our wind tunnel, and continued by the Air Corps. Last winter, two graduates worked on the study of piezometer errors in the Pitot tube, and gathered basic data which has not been published but which is felt to have commercial importance. Our files will show that long before the recent advertising campaign on automobile streamlining had appeared in the press, our laboratory had made records of flow patterns with automobile models, knew the technical facts involved, and predicted the nature of streamline cars which have since been built. At that time automotive men were not interested in our work.

The present trend of interest in our laboratory is in connection with

air velocity measurements. Plans are under way for the installation of a new blower system for a high pressure source and a rotating anemometer test boom. The MO-1 airplane, so long an object lesson in airplane structural methods, will probably be dismantled to make room for this new equipment.

To the literature of aeronautics we have made little contribution, having been too busy teaching ourselves our new jobs. We were, and are, a very young affair, and there may be truth in the notion that children should be seen, not heard.

As to employment of our graduates, the majority do not plan to enter the aeronautics industry. They get jobs precisely as do the non-aeronautic graduates, and depression hits them along with the rest. Of the twenty-four graduates, five are today in aeronautics, about four or five are not regularly employed, and the remainder seem to be making good progress as junior engineers in their chosen fields. Career records mean little as yet—let us give them, say, fifteen years to show what they can do.

Our problem has been to divert ill-informed interest in aviation to well-advised activity in engineering, without menace to life or limb, with a minimum expenditure of money, and in this process to conjure up valuable by-products such as staff development and new technical information. To some extent we have met the problem—in a small way, the slide rule has learned to fly.

WHY GO TO COLLEGE?

By ALBERT BUSHNELL HART

Professor Emeritus, Harvard University

(Courtesy *Current History Magazine*)

Yale College will hereafter demand no Latin and no Greek in its entrance requirements or as a stepping-stone on the road that leads to a degree. Such a decision involves not only the classical departments of Yale College but of many other colleges. For two centuries it was believed by educators that a classical education was the best even for future stock brokers and railroad presidents and Mayors of cities and teachers of medicine. That idea began to fade sixty years ago when the University of Michigan established a "Latin scientific course," which was an admission that there could be a college education without Greek. Latin was still a protected industry.

The first great change in American college education came in the eighteenth century when colleges accepted as part of their functions both the training of future ministers and of future statesmen. From William and Mary, Princeton and Columbia, from Yale and Harvard and Dartmouth, sprang a race of public men, besides the teachers and ministers, who doubtless improved their style and cogency in argument by a knowledge of the classics.

As all the colleges until 1860 required classics for entrance and their study every year in college, it was hard to make people believe that any other type of college education could compete. Two wide fields of study, however, began to claim a place in the educational field. The first was science, which was long very humble, but did secure separate scientific institutions like M. I. T. and collateral schools in classical universities such as Sheffield at Yale. Nevertheless, it took the best part of a hundred years to persuade college students and their contributing elders that science is a subject as inherently intellectual as language, and that a moderate student of science is more likely to become a direct benefit to mankind than the highest student whose point of view is strictly classical.

Here comes in the significance of the Yale decrees on that subject. The experience of the last fifty years seems to show that where classics are made optional not one college student in ten will elect Latin and not one student in thirty will elect Greek. Why not teach classical culture in a diluted form, leaving out, of course, descriptions of ancient games and gambling and slavery and looseness of life, and enlarging on poetry, art,

philosophy, the ennoblements? That is what modern classical study in the colleges now attempts.

The second canker which has eaten into the primacy of classics is modern languages, a field of fascinating study which appears to have been first tilled by Harvard College in the days of Lowell and Longfellow. Another influence undermining the classics is the rise of women's independent colleges, "just as good as a man's college," of the Vassar type, and the stepdaughter colleges like Radcliffe and Barnard. Still more destructive of the classical tradition is the prodigious growth of the great State universities, many of whose students have little cultural background except the high school from which they came. It is impossible to turn these masses of students into a channel of pure learning or of traditional significance. In the twentieth century American colleges are not following traditions: they are creating them.

The elective system has been an unconquerable enemy of the continuance of required classical study. The introduction and spread of the elective system was chiefly the work of Charles W. Eliot. It took two decades for Harvard to develop courses parallel to Greek and Latin which presumably required as much mental application as those languages. That seemed the final step. Classics had a chance to fight for life and preserved a respectable position in the minds of the intelligent communities of the traditional colleges; but students could at last choose a college course for themselves out of a large number of units. Eliot's influence next made itself felt in the secondary schools by insisting on a varied program of studies in preparation for entrance into the elementary college courses.

The action of the great universities in thus organizing elective programs which would meet the needs of constituencies of 5,000, 8,000 or even 10,000 students has brought to the front new educational difficulties. The new ideas began in the colleges and were reflected in the secondary schools, most of which became feeders to the colleges whether they were the one where grandfather graduated first in his class in 1860 and the one where father got a Ph.D. in chemistry in 1890 and the one from which sister Sue was expelled last year for going on a little bender. The old-fashioned classical courses are still maintained in the Catholic colleges, which have in view an educational end for which the classics are indispensable.

A centre of decay in collegiate instruction is the home study system begun years ago by a private society in Boston. Nobody then dreamed that great universities would undertake to carry on the intensive and co-ordinated work expected from college students by an interchange of

letters. Still less that a thesis prepared at a distance, with no supervision of its genuineness, should be counted as college work. In some of the private correspondence schools correction of papers, which is the point of contact between the teacher's and student's mind, is in the hands of young women with about the same degree of education and capacity as the girls carrying on clerical work at the adjacent desks. They are intelligent high school graduates. Nobody is great enough and good enough and learned enough to secure work of college grade through correspondence. If college teaching means anything, it means personal contact of trained mind with mind in training.

The development of the elective system in studies is closely related to the elective system in life and conduct. Schools and colleges are little worlds with a population part good, part doubtful and part bad. Nobody but an assistant dean knows all the conditions making for breakdown of character. Recently several large universities have had occasion to deal decisively with fraternities and sororities and less completely organized associations of students. To the nineteenth-century mind the present accepted behavior of boys and girls at home with their parents is not reassuring for the future of the republic.

Habitual athletics is a great aid to the moral life. Systematic hard study with frequent tests creates an atmosphere of attention to one's collegiate duties. If the thesis must be completed tomorrow night or the student concerned will leave college, even the dance may be omitted. But the best and strongest influence to right living and high thinking is the power of "the rest of us." There is plenty of complaint all over the country that young folks go to college and old folks pay the bills; that young folks come home, unexpectedly or after graduation, and seem to find no place to go.

Perhaps the most serious problem before the faculty gods of wisdom is the lack of contact with kindred spirits. In a college class of 100, or even 500, young people have the opportunity of exercising the greatest privilege—the making of congenial, lifelong friends. That used to be an easy matter. There was your college chum, often the warmest friend of your whole life, and your small society or fraternity. There was the professor whom you admired and whose lectures gave you new intellectual interests. A class rush and no bones broken. Perhaps you lived in a single room at Dagworthy with its autograph photograph of the Prince of Wales when he visited that room in 1860. You had your theatre parties with the other fellows, sometimes "dry" and sometimes not. To the college graduates of fifty years' standing, the thing they remember best in their college life is "the fellows."

Somehow, even in the most exclusive colleges, class spirit and chum spirit are now at a low ebb. Hence the effort in several very rich and populous universities to restore the happiness of the Spartan days by a system based upon the English university luxurious rooming and boarding arrangements. The new idea is to build nests of dormitories, each group of buildings housing about 300 students. At Harvard, for example, each house has a head, just like Oxford and Cambridge. Each group of students has tutors who are expected to be philosophers, guides and friends. A maximum of luxury distinguishes buildings and surroundings. Nevertheless, the student must pay room rent and at least \$9.50 a week for board whether he eats that much or not; and if he is in residence on Saturday and Sunday, then he pays \$13 a week. Why this detail? Because it is clearly foreseen that from one-half to three-fourths of the students will be away Sunday and probably Saturday afternoon and Monday forenoon.

Where does that leave the nests of kindred students in the old-fashioned dormitories? Where does that leave the chummy groups of men in a private house? What part in all this grandeur has the student who for lack of larger means lives at home, and yet is a mighty good fellow and will make his mark in the world? How often will he be invited to these Waldorf Astorias? It is expected that the different houses will feel a community spirit. They are to engage in interhouse athletics (except, of course, on Saturdays). Will all the pride, pomp and circumstance of the house plan, which is founded on the English system where social conditions are very different, compensate for the homelier joys of an earlier and simpler life? Where will Mark Hopkins and his log and young Garfield fit into the picture?

After all, the intellectual and social efficiency of colleges is not measured by academic grades or by social rewards, but by the net effect of college life and college study on the character of the students. The index of character is habits of thought. There is no advantage in going to college simply to enjoy the same kind of fun as at home. If there is a decay in academic life it is because those who choose to go to college do not choose to make their lives different from that of their brothers and sisters at home. The most that colleges can do is to open the doors of intellectual life. Luxurious buildings and fraternity houses and all-night dances and seats on the train parallel to the boat races do not compete with the student's life. They go far toward smothering it.

Henry Chapman Swearingen

Theta Upsilon Omega fraternity mourns the death on June 2 of Dr. Henry C. Swearingen, $\Lambda \Lambda$ '91, at an age of 64 years. He was stricken with an acute attack of heart disease at Hastings, Nebraska, while on board a train.

Dr. Swearingen was one of the first of the old Pi Rho Phi men to affiliate with the fraternity on its formation. He came from Hookstown, Pa., graduated from Westminster in 1891 and from the Pittsburgh



Theological Seminary probably in 1894. He was a well-known minister of the United Presbyterian denomination for many years, during a part of which he was pastor of what was then the Third U. P. Church, Allegheny. That Church has since disbanded. Quite a number of years ago he transferred to the Presbyterian Church and, what was really a remarkable achievement for a relatively new man in the denomination, was some years ago elected Moderator of the Presbyterian Church, which is the highest honor a Presbyterian denomination can confer.

He was for many years pastor of the House of Hope Presbyterian Church in St. Paul, Minnesota, and made his residence at 780 Summit Avenue in that city. Many colleges had honored him with degrees. *Who's Who in America* summarizes his career as follows:

SWEARINGEN, HENRY CHAPMAN, clergyman; b. Hookstown, Pa., Apr. 28, 1869; s. William and Nancy Isabelle (Shannon) Van S; Westminster Coll., 1891; grad. Allegheny Theol. Sem., 1894; D.D., Westminster Coll., 1902; LL.D., Jamestown Coll., 1918, James Millikin, and Dubuque, 1922, Carroll Coll., 1927; m. Belle Haney Comin of New Concord, O., Aug. 8, 1894; children—Isabelle Comin, Henry Chapman (dec.). Ordained U. P. ministry, 1894; pastor Espyville, Pa., 1894–95, 3d Ch., Allegheny, Pa., 1895–1902, 1st Presbyn. Ch., Lincoln, Neb., 1902–07, House of Hope Presbyn. Ch., St. Paul 1907–; Fraternal del. to Gen. Synod Ref. Ch. of U. S. 1899, to M. E. Gen. Conf., 1912; moderator Synod of Minn., 1912–13; Mem. exec. commn., 1918–23, general coun-

cil, 1923-, member dept. ch. cooperation and union, 1922-, Presbyn. Ch. in U. S. A.; Moderator Gen. Assembly Presbyn. Ch. in U. S. A. 1921, exec. com. Presbyn. Alliance, 1921-, Federal Council of Chs., 1922-; del. Pan-Presbyn. Council, 1925, 29; del. Universal Conf. on Life and Work, 1925; Chmn. Gen. Assembly's Spl. Commn., 1925. Trustee Macalester Coll. (pres. pro tem. 1923) Presbyn. Theol. Sem., Chicago; pres. Presbyn. Home Mission Council, 1915-16; mem. Minn. State Bd. of Parole, 1915-. Mem. Archæol. Inst. America, S. C. W. (chaplain Minn. Chapter 1918-). Author of numerous pamphlets and brochures on hist. and religious topics, also many published addresses and sermons.

FRACAS IN SIAM

(Continued from page 108)

granting some form of suffrage to his people, and he was reported to be working on a constitution along such lines when the People's Party beat him to it. He still remains popular and under the new administration he continues to be the ruling monarch, although his power is somewhat curtailed by the recently organized executive committee and senate. After two or three days' confinement in the Throne Hall the royal princes were set free, although divested of their cabinet posts. Prince Paribatra, the King's elder brother and the heir presumptive to the throne, was exiled.

Thus the Kingdom of Siam ceases to be one of the world's two absolute monarchies, leaving Abyssinia as the sole remaining possessor of this distinction. As this is being written, the new government has been in power for three weeks and everything is functioning smoothly so far. Certainly it will experience the usual headaches which confront all representative governments, especially new ones, but whatever else is said, the present leaders can claim the loving cup for executing the most tranquil, efficient, and successful revolution that the world has seen for a long time. In fact, I may indulge in a little bragging by saying: "It could have happened only in Siam."

Editorials

THE PRIMITIVE LAW

Fraternities have for over a century grown and expanded in spite of hostile faculties, public opinion, and state legislatures. One by one adverse edicts and laws have been repealed. However, fraternity groups everywhere are facing their gravest trials this year. They will have to contend with a law which cannot be repealed—the old economic law of supply and demand. Registration is off 9% at New York University and 12% at the University of Illinois, to cite but two figures which have just reached us. This is a new situation for most fraternity chapters to face.

Society has for the past several centuries created laws to protect the weaklings among its individual members. Unfortunately, there are no such laws to save the weak fraternity chapters. They will be governed by a more ruthless and fundamental law expounded by the late Mr. Darwin—"The survival of the fittest." It behooves every chapter, therefore, to take a very careful inventory of its resources.

Every chapter must lay immediate plans to live within its income this year. Few have any surplus from which to make up a deficit, and the grocer is tired of holding the bag. Every item of expenditure must be scrutinized. If a chapter occupies rented quarters, an effort should be made to have the rent reduced, leases to the contrary notwithstanding. The pay of domestic help should be brought into accord with prevailing wages. We have never visited a chapter which did not think it had the best cook on the campus and, unfortunately, this feeling leaks through to the kitchen. Many chapters pay their cooks ridiculous wages for purely sentimental reasons.

"The big front" is one cherished fraternity luxury which will have to be discarded this year. This will mean in some cases that the big New York orchestra (which has never been heard in New York) will have to be dispensed with for the house dance. The practice of our New England chapters can instead be substituted. With them frugality has never been anything to be ashamed of and past OMEGANS record victrola dances which have been big social successes. All superficiality will have to be discarded; real values are the order of the day.

The Arch Council has had occasion several times during the past

few years to apply a stethoscope to chapters which have shown indications of missing heart beats. The diagnoses have led to the conclusion that the greatest single evil which jeopardizes the life of a chapter is the failure to collect chapter accounts. A lax Recorder for one semester can do irreparable damage. Why fraternity men continue to tolerate deadbeats who sap the life blood of a chapter is a subject for intensive psychiatric research.

HOW TO RUN A CONVENTION—TO PIECES

1. Don't bother to arrive for the first day. Conventions shouldn't take as much time as they do.
2. Don't try to reach meetings on time. Your beauty sleep is important and you'll only have to wait months before *The Triangle* will be published and tell you what happened when you were absent.
3. If you don't feel moved to attend all of the sessions, stay away. Half of the sessions will take enough of your time.
4. Don't inform yourself in advance on any of the business. It's boring enough to listen to discussions when the items are new to you.
5. Don't confine yourself to the point when you talk. If you don't know anything about the subject, just tell what a good chapter you come from. At least you will have a chance to show your new clothes.
6. Remember that your chapter is superior to all the others. This always creates a kindly feeling of respect towards you.
7. Shun discussions of policies or legislation out of meetings. They might change your quickly formed opinions.
8. Never exert yourself to mix with the other delegates. If they can't see that you are worth running after, they aren't worth bothering with.
9. Drop in for meals when most convenient for you. If it irritates the hotel management and distresses the convention chairman, it's too bad. Their job is to furnish meals, not to dictate meal hours.
10. By all means complain about your room and your room-mates. The convention chairman loves to shift all delegates and records and the room-mates feel flattered to have been noticed at all.
11. Don't accept any responsibilities. It's so much easier to find fault with those who are in office.
12. If you have attended another convention, don't fail to look up the chairman of this convention and tell him how you enjoyed the last convention.
13. Do not give officers any opportunity to think that you find their work satisfactory.
14. Don't participate in any stunts or contests. It's far simpler to be nonchalant and give the impression that you could have done something far better if you had been enough interested. This requires less efforts than participation.
15. Protest strenuously every change that is proposed.

The Triangle of Sigma Kappa

Alumni Notes

Beta Alpha

Roland A. Packard, '08, was elected a vice-president of the Engineering Society of Western Massachusetts at the annual meeting held May 17.

Frank Fleming, '28, is with the Pike Manufacturing Company, at Littleton, New Hampshire. The company is developing a new power line of manufactured stones and oilstones.

Charles Durbin, '31, certainly had a thrill landing his job. After searching far and wide, he found one in his own home town. "Gus" is a chemist with the Naugatuck Chemical Co., Naugatuck, Connecticut.

A. E., "Boozier," Lawrence, '28, has been so busy at the Wilmington Works of the DuPont Ammonia Corporation, that he found no time for vacation this year.

Edward E. Lane, '29, is one of six Worcester Tech men in the Teleregister Corporation. He has moved to 35-07 147th St., Flushing, New York.

A. S. Marshall, '29, instrument man for the Chesapeake and Ohio R.R., recently, with the field party, had the experience of checking exactly to line, elevation, and distance when the two headings of a 6,200 foot, single-track tunnel broke through.

Russell Barnes, '30, has returned from Colombia, and visited Tech last June to tell of some of his numerous adventures during the past two years.

Gamma Alpha

Jack Armstrong, '32, has a temporary job at the Vegetable Research Station, Riverhead, L. I.

During the past summer months Henry Meinhold, '32, worked as a waiter at the Stevens Engineering Camp.

Hans Nefzger, '32, spent his summer regulating the affairs of Camp Vacamis.

Several T. U. O.'s spent their summer vacations at Lake Garfield, in Monterey, Massachusetts. A. H. Johnson, '21, Arch Councilor R. F. Dirkes, '20, L. W. Geisler, Jr., '25, and Arch Editor M. E. Jansson, '23 (Illinois), all occupied cottages at the lake, and with their families enjoyed many pleasant days and campfire get-togethers in the evenings.

Delta Alpha

Erwin Godfrey, '31, not only passed his bar examination but married a girl from Plainfield, Illinois, recently. Godfrey is now practicing law and golf in Morris, Illinois.

"Norm" Wishart, '33, busy county auditor of one of North Carolina's largest counties, often tears himself away from his pressing work to visit one of his gentler friends who lives in one of our south campus sorority houses.

Harry R. Beeson, '28, teacher of agriculture in Neponset, Illinois, was in Champaign this summer with a group of his high school boys to participate in a stock judging contest. Report has it that he produces some exceptional stock judges.

Gerald Fitzgerald, '28, returned from Newark, New Jersey, where he is studying law, to spend the summer with his parents in Champaign.

Past-master "Jack" Macfarland, '31, visited the chapter house several times this summer while on vacation from his position as sports editor for the *Ft. Madison Democrat*.

Epsilon Alpha

Ned Herrold, '32, former chapter steward, is now associated with the Wool-

worth Company at Baltimore, Maryland.

David H. Buchanan, '30, has returned from California where he attended the Olympic games. "Reds" will take the reins immediately as head football coach of Belleville High School, Belleville, New Jersey.

Robert C. Fable, '31, who formerly taught school at Riverside, New Jersey, is now a faculty member of the Commercial Department, Camden High School, Camden, New Jersey.

Robert Teel, '32, has returned to work at his alma mater with an M.A. in psychology as his goal. Bob held a prominent position in a social welfare camp at Worthington, Ohio, during the summer.

Burton D. Zehner, '30, has entered the Temple Law School.

Harrison Zeigler, '32, plans to enter a theological seminary this fall.

David Watson, Jr., recently returned from a honeymoon spent at the home of his parents in Scotland.

C. W. O'Nan's new address is care of the Delaware Valley Utilities Company, 1807 Packard Building, Philadelphia.

Zeta Alpha

Alfred Boerner, '32, who was awarded a fellowship to study abroad for a year, left Lewisburg on July fifth for New York City, where he spent a few days before sailing for Germany. He spent the weeks before the beginning of his school work as a guest in the home of the governor of West Prussia, at Marienwerder, on the Polish border. His present address is Akademische Auslandsstelle, Neue Raben Str. 13, Hamburg, Germany.

Charles Rivenburg and Mrs. Rivenburg, both of the class of 1929, journeyed east from Illinois to attend the summer session at Bucknell.

The six weeks' summer session drew many graduates. Joe Shuttlesworth, '31, was an instructor in the demonstration school conducted in the Lewisburg High School. David Phillips, '31, studied toward

his master's degree. John Sherwood was awarded a degree at the summer school commencement on August 12.

William Kemp Menefee, '32, secretary to Dr. Homer P. Rainey, president of the University, was one of the few men of Zeta Alpha chapter to arrive on the scene when Old Main was destroyed by fire on August 27. Menefee assisted firemen in saving many valuable documents and records from the president's office before smoke and flames rendered the building a mass of ruins.

Melvin Shuttlesworth, '29, past master of the chapter, will teach at Roselle Park High School this winter.

Theta Alpha

Aldis J. Christie, '32, has just completed his second season as head waiter at the Ocean View Hotel on Block Island. Chris has made out very well down there, as he should with four years' experience as waiter in the freshmen dining halls, two of them as head waiter there.

Walter Jenkins, '31, after having completed a course in music at Harvard, has been instructing in the music department of the University of New Hampshire Summer School and we hear he is going to join the regular music faculty of the University.

John Walstrom, '32, has spent the summer vacationing and reviewing his courses in electricity. John doesn't want to waste any time getting started when he assumes his rôle as instructor in the research department at Wesleyan.

Iota Alpha

Victor P. Frey, '31, has renewed his connections with the State Mutual Life Insurance Company of Massachusetts.

Charles A. Schmidt, '31, who is employed by the same firm as Brother Frey, recently paid the boys a visit.

S. A. Martin, '32, recently spent a month at Fort Humphreys, Virginia, pursuing advanced work in R. O. T. C.

Another recent and welcome guest was E. R. Noderer, '31. Brother Noderer was quite a globe trotter during the past year, spending some time in Europe.

H. E. Ziegenfuss, '28, is now living in Baltimore, Maryland. His new address is 2825 Baureenwood Ave., Baltimore.

D. A. Smith, '32, recently spent two weeks at Fort Humphreys, Virginia, pursuing advanced work in the R. O. T. C.

Admiral W. S. Sims has been appointed a member of the advisory council of six to assist the National Economy League in its national effort to reduce the mounting cost of government.

Carleton Barton, '26, is farming and leading an otherwise sedentary life in Plymouth, New Hampshire.

Alvin Rhinehart, '29, is teaching and coaching in Connecticut. "Al" is teaching a course in biology and coaching his favorite sport, hockey, which made a name for him at New Hampshire.

John Bartlett, '31, is running a large garage in Goffstown, New Hampshire.

Carrol Smith, '31, is supervisor of the sign division of the state highway department.

Enoch Hayford, '29, is with the Coca Cola people in Boston.

Robert, "Rabbi," Remick, '29, is farming intensively in Merrimac, New Hampshire.

Chris Pettee, '30, has gone into the raising of hens on a rather large scale in New Boston, New Hampshire.

Chauncy, "Trapper," French, '29, is attending McGill University.

Kenneth Savage, '31, is in the telephone business in Ottawa, Canada.

Clark Coleman, '29, is a cashier in a bank in Portsmouth, New Hampshire.

Willard Bean, '29, is an engineer in a lumber camp in Errol, New Hampshire.

Kappa Alpha

Ernest Milton, '26, has resigned from his position at Davidson College as Alumni Secretary to go to Barium Springs

Orphanage, where he will assume the duties of treasurer of that institution.

Elmer Carrell, '31, is now a First Lieutenant, 138th Field Artillery, of the Kentucky National Guard.

J. G. Hand, '27, has been preaching in Anniston, Alabama, during the summer months. Brother Hand is a student at Columbia Seminary in Decatur, Georgia.

Charley Parker, '31, is living in High Point, North Carolina, and is sales manager of the Consumers Hosiery Company of that city.

J. H. Davis, '24, is now Professor of Biology at Presbyterian College. Brother Davis taught Biology at Davidson for some years, but left to go to his present position.

Gamma Beta

Jeffery Springmeyer, '29, is back in the Law School after a year's absence. He expects to finish next May.

Don Dwyer, '32, is now going to the Hastings Law School in San Francisco.

Lloyd Metzner, '29, is again working for the U. S. G. S.

Ray Gilmore, '30, Robert Jones, '32, and Earl Thormod, '32, are working for their masters' degrees.

Harold, "Bee," Gilmore is planning the next Gold Rush. He is trying to find someone interested in mining to help him clear out the shaft of an old mine and take out a few thousand pounds of dust. It sounds like just another wildcat scheme to most of us, but we wish him all the luck in the world.

Eyvind, "Swede," Holterman, '32, is now at Randolph Field, Texas, the Army aviation training field.

Delta Beta

Charles A. Fetter, '32, spent the summer as caterer at the Hotel Monticello in Atlantic City.

Mervin Heller, '31, spent the summer as desk clerk at the Hotel Monticello in Atlantic City. In the fall he will again attend Crosier Theological Seminary.

Willard Hausman, '32, is preparing to attend Lehigh University where he will major in bacteriology.

Donald V. Hock, '32, spent one week living in the breadlines of New York City and now gives lectures under the title of "The Five Day Diary of a New York Breadliner."

Donald Mock, '31, has received a fellowship at the University of Colorado.

Richard C. Thiede, '32, is planning to enter the University of Pennsylvania Medical School.

Eta Beta

Harbin B. Lawson, '32, of Nelson, Georgia, who was a regular guard on the Tiger's varsity hoop teams the past three seasons, has signed a contract to coach all sports and teach social studies at Grove Hill High School during the approaching school year. He will report to his new duties September twelfth.

H. M. Cottier, '29, was initiated into Eta Beta chapter in May. He is with the Plant Inspection Board of the U. S. D. A. with headquarters in New York City.

Clifford Alston, '31, attended summer school, taking work in education. He expects to teach this fall.

G. V. Nunn, '32, attended Auburn summer school, working on his master's degree.

W. G. Little, '32, who was master of Eta Beta chapter last year, is now working for the City Drug Company, Tuscaloosa, Alabama.

Zeta Beta

Zeta Beta graduated eight men last June. Of those eight, four are coaching and four are going to school again this fall. Graham Pogue is teaching and coaching at Media, Illinois. Virgil Boucher at La Harpe, Illinois, Glenn Robinson at Roseville, Illinois, and Roscoe Scott at Blandinsville, Illinois. Of the remaining four, three are planning on entering Seminary to study for the ministry, Edwin Sloan, James McDonald, and Wayne Nickel. Albert Sloan is entering Harvard Law School.

It is worthy of comment that five alumni of Zeta Beta are coaching near Monmouth and will meet each other in athletic contests during the coming year. Those five are Eddie Bencini, '29, Bill Pogue, '29, and Graham Pogue, Virgil Boucher, and Glenn Robinson, all of the class of 1932. There will be some keen rivalry in these five high schools.

Personal Mention

Beta Alpha Worcester Polytechnic Institute

At the last assembly of the year, Henry Franklin, '34, was elected vice-president of the W. P. I. Athletic Association for the coming year.

Warren R. Burns, '34, has been appointed a Junior member of next year's Peddler staff. The Peddler is Worcester's Senior class book.

Jeremiah H. Vail, '33, was tapped for Skull, Senior honorary society, at a recent assembly. Jerry is our only Skull member this year.

Charles S. Frary, Jr., '34, is the vice-president of the Worcester Tech Cosmopolitan Club, the most popular club on the Hill.

Elected as captain of the Varsity swimming team for the coming season, Henry H. Franklin resigned in favor of a teammate who is to be a senior this year. Henry is a third-year chemist.

Chester A. Spencer, '34, and Henry H. Franklin are assistant managers for baseball for the coming season.

Gamma Alpha Stevens Institute of Technology

Among the more fortunate members of Gamma Alpha are Edward Reichard, '33; Edward Polster, '33; Richmond Cardinell, '33; Horace Oliver, '35; Arthur Blirer, '35; Daniel Hoth, '35; and Walter Carbone, '35; all of whom received considerable rebates on their tuition. These rebates are issued to the leading members of each class in accordance with the sliding-scale tuition plan used at Stevens. The amount of the rebate varies according to the scholastic standing of the student.

Arthur Reichard, '35, received a varsity

award and Horace Oliver, '35, a junior varsity award for work on last season's baseball teams.

Richard Dischinger, '34, received a junior varsity award for lacrosse.

Delta Alpha University of Illinois

Brothers Novak, Trowbridge, Green, Kolm, and Carpenter all attended military camps this summer either to fulfill advanced military requirements or to employ their idle hours. It seems that all of them had a grand time—but then, they were getting darned good pay!

"Bob" Cadle, '33, Big Ten tumbling champion, while attending summer school spent his extra hours as life guard in one of the University swimming pools. It is whispered that most of his time was devoted to teaching a certain young lady how to dive properly.

In the early months of his summer vacation "Dick" Radl, '33, made a canoe trip which began in the Wisconsin Land of Lakes region and terminated in St. Louis. Soon after returning from this trip and a few days before his intended departure for the Los Angeles Olympics, he broke his leg in a motorcycle accident and has been languishing at home since then.

Epsilon Alpha Temple University

James Yon, '34, is carrying on the musical traditions of Epsilon Alpha in the rôle of president of the Temple Men's Glee Club.

Edgar E. Smith, '33, the man who held down the left guard position on the heaviest line in Temple's history last year, is in the thick of the battle every time there is a football game. Epsilon Alpha expects

her 190-pound star to climb to the zenith of pigskin glory this year. Incidentally, that team last year only lost one game—to Carnegie Tech, 19-13. Bucknell, undefeated champion of the East, was tied by Temple, and "Smitty" was in the fight!

Curtis Bicker, '33, one of the chapter's few super-activity men, was elected president of the Interfraternity Council at the close of the last school year. He is now fully occupied with the duties of a harassed football manager in the midst of a busy season. "Curt" was chapter marshal and Y. M. C. A. president last year, besides acting in the capacity of assistant manager of the football team, secretary of Blue Key honorary fraternity, treasurer of the Interfraternity Council and busy student.

Wilson Hamor, '35, is T. U. O.'s vice-president of the sophomore class. He took part in the largest class election campaign in Temple's history.

Malcolm Farrow was inducted as Master of T. U. O. at Epsilon Alpha on May 1, and along with Pete the following men were installed: Harold McComb, chaplain; William Dyer, steward; Gordon Calvert, recorder; Dick Baker, scribe; David Weaver, marshal; J. Kenneth Satchell, herald; Bucky Jiles and Jimmie Dodds, inner and outer guards respectively. Vince Pierce presided over the formal induction of the new officers and the installation of six new T. U. O. members.

Lowell Broomall, Pete Farrow, and Dave Weaver were recently elected to Blue Key Honor Fraternity.

The position of managing editor of the *Temple University News* has been filled by Joseph H. Shinn, '34. Joe was unanimously elected at a special meeting of the *News* staff last May. He entered competition as a news heeler in the spring of 1931 and soon demonstrated his ability as a journalist with splendid possibilities. At the close of the school year he was elected an assistant news editor, and promotion to a news editorship came within a few months' time.

Joe also held the position of chapter herald last fall and spring. He is doing very creditable work on the *News*, and it looks as if Epsilon Alpha will have the editor-in-chief position on the university paper for the sixth time.

David E. Wilson, '27, was the first T. U. O. to become student editor. Other T. U. O. *News* executives were: Burdett S. Fuller, '28, Arthur F. Warfel, '29, Charles H. Herrold, Jr., '31, and Robert Teel, '32.

At present, there are four T. U. O. men on the *News*—Joseph H. Shinn, Grayson R. Fable, '35, who was elected assistant news editor last May, J. Kenneth Satchell, '34, news editor, and James E. Jones, '35, a pledge brother who is an assistant news editor.

J. Kenneth Satchell, recent organization editor of the 1932-33 *Student Handbook*, was awarded a gold key for his work on that publication.

Zeta Alpha Bucknell University

Stanley Rider, '33, Edward C. Houck, '33, Gerald Stidard, '33, William H. Scott, '34, and Harry Runyan, '34, attended the Bucknell summer session.

Eta Alpha George Washington University

Jimmy Suter, '35, has turned from throwing weights for the George Washington University track team to digging divots for the golf team.

The *Cherry Tree*, George Washington yearly publication, is dominated this year by two T. U. O.'s. For his excellent work of last year on the business end of the staff, Wendell Bain has been reappointed business manager. Ralph McCoy has been elevated from fraternities editor to editor-in-chief. Minturn Snider and John Lyman Hill will seek to retain the positions they held last year.

Roger Marquis, '33, has been named to succeed himself as circulation manager of the weekly publication, *The Hatchet*.

"Bucky" Herzog, '30, will continue as graduate manager of *The Hatchet*. John Walstrom will assist as a reporter.

Harry Clayton, '32, and James Hobbs, '35, who represented T. U. O. in the interfraternity debating competition, were successful in gaining the cup awarded to the best debating team. Delta Sigma Rho, debating society, presented this cup to T. U. O. at the commencement exercises through the president of the university.

At the last meeting of the George Washington University Interfraternity Council, Wendell Bain, '34, was named the social chairman. His charge will be to supervise the annual dance sponsored by the council.

Wilbert Hass, '32, has pledged Sigma Gamma Epsilon, national geological fraternity.

Gate and Key, activities fraternity at George Washington, has pledged two Eta Alpha men, George Wenzl and Orville Wildes. Wenzl immediately left for Austria and the continent at large to rest for the initiation this fall.

Steele McGrew, past master of Eta Alpha, was honored with a pledge to one of the school's most select fraternities. McGrew was one of six chosen from the "school at large" for being an outstanding man in extra-curricular activities during the past school year.

John A. Walstrom and Roger Marquis were initiated into Pi Delta Epsilon, national journalistic fraternity, on April 13 at a model initiation.

Harry W. Clayton received his degree from law school shortly before he was notified that he had passed the District of Columbia bar. He has resumed his studies in Columbian College for his A.B.

Wilbert Hass was elected to fill the vacancy in the office of marshal caused by the graduation of Clayton.

George Wenzl and John A. Walstrom are now wearing the pin of Delta Phi Epsilon, honorary foreign service fraternity, along with Wendell H. Bain, John

L. Hill and Ralph McCoy, who are members of old standing.

Theta Alpha University of New Hampshire

Henry Bell, '34, and Leslie Pike, '35, worked this summer as waiters at the Ocean View Hotel on Block Island, under Aldis J. Christie, '32.

Richard, "Dizz," Brown, '34, was head caddy at the Plymouth Country Club this summer.

Cleon Duke, '34, has been attending the summer session of the University and has all those credits made up to date. He says that without the famous "Dick Meader" around he is really going to show us how to raise the old average.

George Sumner, '35, fulfilled his desires this summer and became an honest-to-goodness sailor. In George's opinion, we find that to become a sailor one must at least sleep on the ocean. So this summer he went to work on a ship that travels between Portsmouth and the Isle of Shoals. It really isn't such a long voyage, but then George was able to sleep on board, and that's what counts.

Richard Lowcock, '35, worked in Boston this summer.

John Weeks, '35, liked the college atmosphere of Durham so much that he stayed all summer and busied himself by doing all the odd jobs in town.

Neal Badger, '35, may or may not be a sailor according to Sumner, but he was second mate on the steamer *Mount Washington* this summer.

John Howard, '34, we understand, is on the verge of opening his own detective agency in Concord, New Hampshire.

Franklin Greene, '34, has been working with a Boston law firm and selling real estate on the side.

Iota Alpha Pennsylvania State College

F. K. Graham, '34, has again been made a member of the Interfraternity Council.

Arthur Watkins, '35, one of last year's freshman football team, who had the misfortune of suffering a broken leg during the 1931 season, is favored for one of the varsity end positions this year.

R. A. Stoughton, '33, with William Rushworth, '30, managed and operated the Old Mill Inn, a tourist hotel near York, Pennsylvania, during the summer months.

R. A. Grubbs, '35, has been made a member of the business staff of *Froth*, the magazine of humor at Penn State.

F. R. Weiss, '35, a member of the freshman band in 1931, is expected to secure a place in the Blue Band this year.

Kappa Alpha

Davidson College

June and Joe Morrison each made a letter in baseball this year. F. M. Cochran, in one of his many mighty moments, hurled the discus so far as to set a new record for the College. Brother Cochran was an active member of the track team last spring and, incidentally, made his letter. G. C. Neal, our master, was elected varsity manager of baseball, proving that perseverance wins.

Professor F. K. Fleagle, one of our faculty members, had charge of the summer session of Davidson College. Brother Fleagle has done this work for some years past.

G. C. Neal and J. A. Smith attended the R. O. T. C. Camp at Anniston, Alabama, this summer and on their return to school they received commissions in the unit at Davidson. Pledge Pennington was appointed captain of the R. O. T. C. Band at the College.

Kappa Alpha was fortunate this year in having all of its officers return to school at the end of the summer holidays. They are: G. C. Neal, master; C. M. Wildman, marshal; J. G. Morrison, chaplain; J. W. Whitted, scribe, and W. L. Shumate, herald.

Gamma Beta

University of California

Wes Lachman, '33, is still playing around in politics. Not satisfied with his previous successes, he has climbed higher and is now the Senior Class President. He was in charge of the dance given in honor of the California Crew. During his spare time he acts as master of the Gamma Beta Chapter.

Oliver, "Tut," Talley made his letter on the California track team last semester. "Tut" competed in the broad jump.

Albert, "Bud," Osler has made his importance felt with the lowerclassmen since he has been appointed chairman of the Welfare Committee.

Charles Jurish and Van Irvine are on the Rally Committee.

Sam and Carrol Gill are starting their training for football. Sam is a senior and was on the California Varsity last year. Pill is one of the most promising men from last year's freshman team and will do his best to uphold the Gill reputation on the gridiron.

Carrol, "Pill," Gill, John, "Jake," Taylor, and Carl Hillsman are on the Sophomore Vigilance Committee, and will do their best to keep the new frosh in their place, although hazing has almost been done away with at California.

Carl Hillsman and Carrol Gill made their numerals on the Frosh track team last semester, Hillsman competed in the one- and two-mile runs, while Gill ran in the sprints.

Art Werner received his commission as a Reserve Officer, and is instructor in the R. O. T. C.

Delta Beta

Muhlenberg College

Wilmer J. Wolf took up a course at the Muhlenberg College summer school and also spent several weeks at Camp Mensch Mills.

Gordon B. Fister, Ray C. Held, Jr., and

Woodrow W. Kistler attended the Muhlenberg College summer school.

Ray O. Bachman, master of Delta Beta chapter, spent the summer working on a farm.

The chapter house was again open for women attending summer school. The girls were in charge of Mrs. Daisy Moyer and the house was managed by Steward Malcolm M. Parker.

Eta Beta Alabama Polytechnic Institute

Captain Clifford Smith, '32, All-American pitcher, led the Auburn baseball team to its second Dixie League title in as many years. Brother Smith is rated as one of Auburn's greatest hurlers and the only one ever to gain a place on College Humor's All-American team.

Captain-elect Charles Kaley was one of the South's outstanding basketball guards last season and was one of the main reasons why Auburn went to the semi-finals of the Southern Conference Tournament. Brother Kaley also won his third letter in baseball, being on the All-Dixie League Team for the second successive year.

Tom Lumpkin, '32, Auburn's all-southern forward, led the Auburn basketball team in scoring and was one of the high point men of the South. His play in the Conference Tournament was sensational.

Alternate-captain Ham O'Hara had one of his best years in winning his third letter in track.

Harbin Lawson, '32, was the fifth Eta Beta chapter letterman last year. Brother Lawson was an outstanding guard for three years in basketball.

Captain Virgil Nunn, '32, led Auburn's first polo team which was organized last year. Although he had never seen a game before last year, Brother Nunn led his forces to victory twice over Georgia, who had been undefeated during six years of collegiate competition.

Captain F. J. Wullenbueher, '32, led the rifle team in scoring for the third successive year.

Although a junior, Harold Williams, '33, was elected basketball manager the past season. His untiring efforts had much to do with Auburn's rank as one of the best in the South.

Freshmen W. E. Turner, W. T. Snider, and Mutt Morris, football; Hugh Lawson and Howard Baker, basketball; and Ray Cohen, baseball manager, were T. U. O.'s numeral wearers. All will be promising candidates for this year's varsity teams.

In addition to these individual leaders, T. U. O.'s tennis team went to the finals of the Interfraternity Tennis Tournament only to lose to the S. A. E.'s in a bitter five-set match. Brother Virgil Nunn and B. C. Pope represented T. U. O.

In the Interfraternity Basketball Tournament, T. U. O.'s team of five freshmen who had never played together before, proved an upset by going to the semi-finals before being downed by the veteran Sigma Nu team. Albert Sims, W. T. Snider, Howard Baker, Albert Hughes, and Hugh Lawson composed the team.

One must not get the impression, however, that because of the outstanding athletic record of Eta Beta chapter, other activities have been neglected.

Virgil Nunn received the coveted honor of election to Phi Kappa Phi, national honor society. He is also a member of Blue Key, interfraternity honorary leadership fraternity, vice-president of Scabbard and Blade, national honorary military fraternity, and president of Kappa Delta Pi, educational honor society.

Willie Gray Little served as president of the Pharmaceutical Society.

W. S. Wallace, '32, served as president of the Pre-Medical Society. This society has since gone national.

Six juniors attended summer R. O. T. C. camp including Pope, Bennett, Harrison, Lovett, Lowery, and Williams. All have a good record for service, especially Bennett, who became very adept at the art of dishwashing.

Vital Statistics

ENGAGEMENTS

Beta Alpha—Carl L. Robinson, '29, to Miss Eugenia Clark of Shrewsbury, Massachusetts.

Gamma Alpha—Wilfred M. Wyburn, '24, to Miss Marjorie Fuller Wilcox of Forest Hills, Long Island.

Zeta Alpha—Richard Vastine, '27, to Miss Lyda Waite of Roselle Park, New Jersey. Miss Waite is a graduate of the Montclair Normal School.

Kappa Alpha—A. C. Slaymaker, '27, to Miss Mary Bolling McGinnis, of Greensboro, North Carolina. The wedding is to take place in the early fall.

MARRIAGES

Beta Alpha—Henry L. Mellen, '25, to Miss Elizabeth Gonya of Berlin, New Hampshire, on July 5, 1931.

Norman M. Enman, '30, to Miss Mary Jane Matthews of Brookline, Massachusetts, on December 22, 1931.

Epsilon Alpha—Walter E. Cranmer, '30, to Miss Heleyne Olivia Colt of Philadelphia, on July 30, 1932.

David Watson, Jr., '32, to Miss Sarah Denn of Philadelphia, on June 17, 1932.

Eta Alpha—Cleon King Fierstone, '28, to Miss Hazel Alberta Peterson at East McKeesport, Pennsylvania, on February 22, 1932.

Kappa Alpha—Grady S. Brooks, '28, to Miss Katherine Marsh of Trenton, South Carolina, on April 16, 1932.

Warren W. Smith, '28, to Miss Mar-

garet Shulenberger of Charlotte, North Carolina, on December 24, 1931.

Gamma Beta—Robert Dixon, '34, to Evelyn Stone of Berkeley, California, on May 16, 1932.

BIRTHS

Beta Alpha—To Brother and Mrs. Edmund K. Brown, '13, on February 13, 1932, a daughter, Cynthia Ann.

To Brother and Mrs. Robert E. Chapman, '21, on September 1, 1931, a daughter, Lois Anita.

To Brother and Mrs. John V. Russell, '22, on March 18, 1932, a son, John Page.

To Brother and Mrs. Helge S. Johnson, '24, on July 31, 1931, a daughter, Barbara.

To Brother and Mrs. Charles B. Hardy, '26, on June 18, 1932, a son, Richard Baxter.

Epsilon Alpha—To Brother and Mrs. J. Sydney Knight, '23, a daughter, Marian Elizabeth, May 19, 1932, in Hollywood, California.

Eta Alpha—To Brother and Mrs. Ronald N. Marquis, '24, of London, England, a son, George Kier, on June 11, 1932.

Iota Alpha—To Brother and Mrs. Henry E. Ziegenfuss, '28, a daughter on March 17, 1932.

Kappa Alpha—To Brother and Mrs. R. H. Ratchford of Gastonia, North Carolina, a daughter, Patricia Ann, on May 27, 1932.

Notes and Comment

Bucknell's First Building Destroyed By Fire

"Old Main" and its two wings, Bucknell University's first building, was completely destroyed by a \$500,000 fire on Saturday morning, August 27th. The estimates of the loss were placed from a half million dollars to \$700,000. The building was valued at \$300,000 and in it was much equipment, many records, and a geological museum valued at \$50,000. The studio and radio control room of station WJBU were also in the path of the flames. The equipment was removed but the damage was considerable. The fire was of unknown origin having been discovered about 3.30 A. M. and before a fire company could reach the scene the entire center portion of the building was one seething mass of flames.

Old Main was Bucknell's hall of classic tradition. On its doors were carved the names of many of the country's outstanding men, including the late Christy Mathewson, pitcher for the New York Giants; General Tasker Bliss, one time chief of staff of the United States Army, and Dr. David Jayne Hill, who later became the school's president.

The building was erected in 1857. It was designed by Thomas U. Walter, the architect who drew the plans for the national capitol at Washington, D. C. It was Grecian in style with a facade of three hundred and twenty feet. The center portion where the fire started was 80 feet square and there were 120-foot wings on either side. There were four massive columns across the front of the structure.

The greatest personal loss caused by the fire was felt by Dr. Nelson F. Davis, collector of the geological museum who has been associated with the university for more

than forty years. It is rather difficult to evaluate the museum, but the loss was expected to be about \$50,000. It can be replaced only after many years of labor.

"Old Main" today is nothing more than a mere charred mass of ruins, a grim shadow of one of the most stately college buildings in central Pennsylvania. Thousands of alumni and undergraduates have almost daily turned their steps toward Lewisburg to view again those ivy covered walls that a few weeks ago were the pride and one of the show spots of Lewisburg.

* * *

Did you notice that all of the names listed below figured in the undergraduate news items of the May OMEGAN?

W. Wilson Miller, AA
 Wilson Hamor, EA
 Woodrow Wilson, EA
 Woodrow Bartlet, OA
 Woodrow W. Kistler, AB

It gave us a start, and the resulting brooding over our advancing years ruined the rest of the day for us.

* * *

For some time a number of T. U. O.'s have been meeting in Los Angeles with the intent of eventually forming a city club. This object was achieved this summer when the following members petitioned for a charter: Robert J. Kadow, FB '22, Harold E. Hedger, FB '24, Donald V. Spagnoli, AB '25, Richard R. Townley, FB '25, Theobald C. McSweeney, FB '26, J. Sydney Knight, EA '23, Emory S. Snoddy, FB '25, Lothar C. Maurer, FB '22, Robert O. Ford, FB '24, N. B. Hodgkinson, FB '23, and C. R. Drenk, AA '26.

The petition was granted and the Los Angeles Club of T. U. O. was formally installed on May 16. L. C. Maurer was elected president and N. B. Hodgkinson, secretary of the organization.

* * *

The fraternity situation at the University of California is not healthy. That has been known for some time. But the increasing frequency of reports of chapters ceasing to operate is giving fraternity officers everywhere cold chills. In *The Garnet and White* of Alpha Chi Rho for February we read of its Phi Rho chapter dying. On top of that came *The Quarterly* of Phi Pi Phi for July which told a similar story of the Theta chapter of that fraternity closing its doors.

The reasons for the dissolution of these two chapters, and there have been others, are almost identical. We quote from *The Garnet and White*:

" . . . Since more than five years ago, however, it (Phi Rho) has been on the down grade, lacking every desirable factor in greater or less degree. Lack of strong leadership and failure to adopt strong financial policies were perhaps its greatest weaknesses.

University conditions, however, must bear their share of the blame. They present an insurmountable wall to any but the strongest of fraternity chapters. The highly developed junior college system in California means that there are more juniors than freshmen at Berkeley.

The urban location and the fact that it is a state university produces an institution to

which nearly half the men are commuting from home and where nearly eighty percent are working their way through.

Opening of new dormitories has taken many men from the fraternity houses. The new campus of the University of California at Los Angeles, southern branch of the same institution, has drawn many students away from the Berkeley campus. Each of these factors had its share in presenting to Phi Rho problems faced by few Chapters."

* * *

During the summer a letter was received by the national office on a letterhead bearing the name, "Collegiate Press" and the address of 64 West 23rd Street, New York City. It was signed by one B. Richards. This letter asked for the fraternity colors so that stickers could be made up and peddled to the chapters. A little detective work developed that neither the writer of the letter nor the Collegiate Press were known at the address given. The matter was then turned over to the postal authorities for investigation.

Members of the fraternity are warned against sending money for supplies and gadgets to organizations of questionable reputation. Members are asked to report immediately to the Executive Secretary any unauthorized uses of the fraternity insignia.

* * *

Just before going to press, reports reached us from several chapters telling of astounding accomplishments in scholarship during the past year. Complete details on this will be featured in the December OMEGAN.

Theta Upsilon Omega Fraternity

Founded December, 1, 1923 at the Inter-Fraternity Conference, New York City



The Arch Council

Arch Master

SAMUEL W. MCGINNESS, 3106 Grant Building, Pittsburgh, Pennsylvania

Executive Secretary

JOHN N. DANEHOWER, 7328 Briar Road, Germantown, Philadelphia,
Pennsylvania

Arch Ritualist

LEONARD W. HOWELL 29 Buckingham St., Worcester, Massachusetts

Councilors

ARTHUR W. JOHNSON, Box 464 Durham, New Hampshire
ARTHUR J. KNIGHT 15 Lancaster St., Worcester, Massachusetts
ROBERT F. DIRKES, 45 Alsop St. Jamaica, L. I., New York

Arch Editor

MARTIN E. JANSSON, 3973 Gosman Ave., Long Island City, New York

Directory of Chapters

- BETA ALPHA**.....WORCESTER POLYTECHNIC INSTITUTE.....1924
 House, 30 Institute Road, Worcester, Mass.
 Active Chapter: *Master*, Elliot D. Jones; *Herald*, C. S. Frary, Jr.
 Associate Chapter: *Master*, L. W. Howell, 29 Buckingham St., Worcester, Mass.; *Scribe*, A. J. Knight, 15 Lancaster St., Worcester, Mass.
- GAMMA ALPHA**.....STEVENS INSTITUTE OF TECHNOLOGY.....1924
 House, 507 River Terrace, Hoboken, N. J.
 Active Chapter: *Master*, E. H. Reichard; *Herald*, E. J. Hazen.
 Associate Chapter: *Master*, L. E. Schueler, 331 35th St., Woodcliff, N. J.; *Scribe*, R. J. Sheehan, 508 E. 26th St., Paterson, N. J.
- DELTA ALPHA**.....UNIVERSITY OF ILLINOIS.....1924
 House, 1010 So. Third Street, Champaign, Illinois.
 Active Chapter: *Master*, M. S. McGuffin; *Herald*, R. M. Radl.
 Associate Chapter: *Master*, C. D. McDaniel, Miss. Val. Strct. Stl. Co., Melrose Park, Ill.; *Scribe*, C. O. Smith, 7771 Lake St., River Forest, Ill.
- EPSILON ALPHA**.....TEMPLE UNIVERSITY.....1924
 House, 1915 N. Park Avenue, Philadelphia, Pa.
 Active Chapter: *Master*, Malcolm Farrow; *Herald*, J. K. Satchell.
 Associate Chapter: *Master*, C. D. Long, 1751 N. Park Ave., Philadelphia, Pa.; *Scribe*, Chester L. Cobb, 1731 N. Park Ave., Philadelphia, Pa.
- ZETA ALPHA**.....BUCKNELL UNIVERSITY.....1924
 House, 82 University Avenue, Lewisburg, Pa.
 Active Chapter: *Master*, E. A. Smith; *Herald*, Ralph M. Reish.
- ETA ALPHA**.....GEORGE WASHINGTON UNIVERSITY.....1924
 House, 1610 20th Street, N. W., Washington, D. C.
 Active Chapter: *Master*, Ralph R. McCoy; *Herald*, John E. Taylor.
 Associate Chapter: *Master*, William E. Reese, 54 Vee St., N. W., Washington, D. C.; *Scribe*, Elbert L. Huber, 1610 20th St., N. W., Washington, D. C.
- THETA ALPHA**.....UNIVERSITY OF NEW HAMPSHIRE.....1924
 House, 26 Madbury Road, Durham, New Hampshire.
 Active Chapter: *Master*, Elroy Clark; *Herald*, F. L. Greene.
 Associate Chapter: *Master*, W. H. Green, c/o Rumford Press, Concord, N. H.; *Scribe*, B. W. McIntire, Durham, N. H.
- IOTA ALPHA**.....PENNSYLVANIA STATE COLLEGE.....1924
 House, 505 College Avenue, State College, Pa.
 Active Chapter: *Master*, H. L. Thompson; *Herald*, G. L. Martin.
 Associate Chapter: *Master*, Herbert Taylor, Merchantville, N. J.; *Scribe*, Robt. E. Parnell, First Natl. Apts., State College, Pa.
- KAPPA ALPHA**.....DAVIDSON COLLEGE.....1924
 House, Davidson, North Carolina.
 Active Chapter: *Master*, G. C. Neal; *Herald*, W. L. Shumate.
- LAMBDA ALPHA**.....WESTMINSTER COLLEGE.....1924
 House, New Wilmington, Pennsylvania.
 Active Chapter: *Master*, Gordon Nevin; *Herald*, Wilson Miller.
 Associate Chapter: *Master*, Bruce McCrory, Standard Life Bldg., Pittsburgh, Pa.; *Scribe*, John Boyles, 318 E. Lincoln Ave., New Castle, Pa.
- BETA BETA**.....MIAMI UNIVERSITY.....1925
 House, 122 So. Campus Avenue, Oxford, Ohio.
 Active Chapter: *Master*, David Glosser.
 Associate Chapter: *Master*, Alfred Meyers, 1906 Andina Ave., Cincinnati, O.; *Scribe*, Andrew Kincaid, University Apts., Oxford, O.
- GAMMA BETA**.....UNIVERSITY OF CALIFORNIA.....1925
 House, 2559 Le Conte Avenue, Berkeley, California.
 Active Chapter: *Master*, Donald Dwyer; *Herald*, Kenneth McLees.
 Associate Chapter: *Master*, R. J. Quigley, 1846 Spruce St., Berkeley, California; *Scribe*, Marion Olson, 1910 Oregon St., Berkeley, California.

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